Uniden®

AppCam 25HD

User's Manual

Issue 1, September 2014

CUSTOMER CARE

At Uniden®, we care about you!

If you need assistance, please do NOT return this product to your place of purchase. Our customer care specialists are available to serve you.

Please keep your sales receipt as it is your proof of warranty.

Quickly find answers to your questions by:

1. Reading this owner's manual.
2. Visiting our customer support website at www.uniden.com.
3. Calling our customer care specialists at 1-800-658-8068.

Images in this manual may differ slightly from your actual product.

CONTENTS

CUSTOMER CARE 2

PLEASE READ BEFORE YOU START 4

WIRELESS DEVICES OPERATING RANGE 4

IMPORTANT SAFETY PRECAUTIONS 4

OVERVIEW 6

FEATURES 6

System 6

AppCam 25HD Indoor/ Outdoor Camera 7

Uniden's AppCam App 7

WHAT'S INCLUDED 8

PARTS OF THE CAMERA 9

NETWORK SETUP AND CAMERA INSTALLATION 10

OVERVIEW 10

PREREQUISITES 10

STEP 1 – SET UP CAMERA AND SMARTPHONE/TABLET 10

STEP 2 – CONNECT CAMERA AND MOBILE DEVICE 11

STEP 3 – CONNECT CAMERA AND WIFI ROUTER 11

STEP 4 - SET TIME ZONE/DAYLIGHT SAVINGS TIME 12

STEP 5 - SET UP EMAIL ALERTS (OPTIONAL) 13

INSTALL CAMERAS 14

Mount the AppCam 25HD Base 15

Attach the AppCam 25HD Camera 15

USING THE APP 17

ACCESSING YOUR CAMERAS 17

SNAPSHOT VS LIVE VIDEO SCREEN 17

SNAPSHOT SCREEN OVERVIEW 18

Add Another Camera 18

System Settings 18

Update 19

Information 19

System Information - Advanced Screen Details 20

Delete Camera Connection 23

Event List Details 23

LIVE VIDEO SCREEN OVERVIEW 24

TURN OFF THE APP 25

COMMON OPERATIONS 26

MAINTAINING YOUR SYSTEM 27

TAKING CARE OF YOUR CAMERA 27

MANAGING RECORDED FILES 27

Copying Files from the microSD Card to Your Computer 27

TROUBLESHOOTING 28

HOW TO IMPROVE THE WIRELESS SIGNAL QUALITY 28

SPECIFICATIONS 31

MICROSD CARD APPROXIMATE RECORDING TIME 32

FCC COMPLIANCE 33

IC COMPLIANCE INFORMATION 34

CE COMPLIANCE INFORMATION 34

ONE-YEAR LIMITED WARRANTY 34

Uniden surveillance products are not manufactured and/or sold with the intent to be used for illegal purposes. Uniden expects consumer's use of these products to be in compliance with all local, state and federal law. For further information on video surveillance and audio recording legal requirements, please consult your local, state and federal law.

© 2014. All rights allowed by law are hereby reserved.

PLEASE READ BEFORE YOU START

WIRELESS DEVICES OPERATING RANGE

Ensure the signal reception is acceptable between the camera(s) and the WiFi router. If necessary, reduce the distance between them to improve overall system performance.

Because local internet environments may vary, your device may indicate that the camera is disconnected or may display a black screen. If this occurs, refresh the app.

Item	Requirement/Recommendation
Internet Bandwidth	1 Mbps upload/download speed
Network Requirement	WiFi or 4G (optimize download speed)
Memory Card	microSD, CLASS10, up to 32GB
Device Processor	1.5GHz dual core processor or equivalent

IMPORTANT SAFETY PRECAUTIONS

Damages caused by non-compliance with this operating manual will void the warranty! We will not assume any liability for damages to items or persons caused by improper handling or non-compliance with the safety notices! Any warranty claim will be null and void in such cases.

- Do not drop, puncture or disassemble the camera; otherwise the warranty will be voided.
- Never tug on the power cords. Use the plug to unplug it from the outlet.
- Do not expose the camera to high temperature or leave it in direct sunlight. Doing so may damage the camera or cause temporary camera malfunction.
- Use the devices with care. Avoid pressing hard on the camera body.

- For your own safety, avoid using the camera or power off the camera when there is a storm or lightning.
- Disconnect the power adapter during long periods between usage.
- Use only the accessories and power adapters supplied by Uniden.

OVERVIEW

Uniden's AppCam 25HD system works with your smartphone or wireless device to create a powerful home security network. No PC interface is needed to view video on your smartphone or wireless devices. Connect your mobile device to your camera, setup the network on your mobile device, and install the cameras; your network is up and running. The wireless AppCam 25HD offers superior quality video with true color. It is suitable for day or nighttime use.

The AppCam 25HD camera is an indoor/outdoor camera that is waterproof and has an IP66 weather rating. Water can be sprayed on it and it will still work; however, the camera cannot be submerged underwater.

Although this camera can be exposed directly to the rain, it is recommended that, if it is used outdoors, it be mounted under some type of cover like a patio overhang or eave. As rainwater drops start to dry on the camera glass, it can create spots that will reflect the light from the infrared LEDs used for night vision, thus causing lower quality video.

Also, as dust, grime, and cobwebs accumulate on the camera glass, they can reflect light from the infrared LED and might lower video quality. Periodically clean the lens glass with a soft cloth.

FEATURES

System

- No PC required
- Direct connection to router
- WiFi connection to router
- P2P connection

- Records VGA up to 30fps
- Records HD720P up to 20fps
- Manual/motion recording to microSD (not included)
- Supports up to 32GB microSD (not included)
- High quality H.264 video
- Audio reception

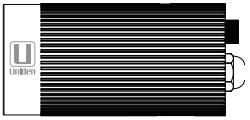
AppCam 25HD Indoor/Outdoor Camera

- IP66 weather-rated
- IR cut filter switch
- Compact design
- Night vision range – 40 feet
- Built-in microphone
- microSD card slot (microSD card not included)

Uniden's AppCam App

- Multiple camera viewing and management from single app
- Remote access to recorded video
- Remote snapshot & recording control
- Event notification/email alert

WHAT'S INCLUDED

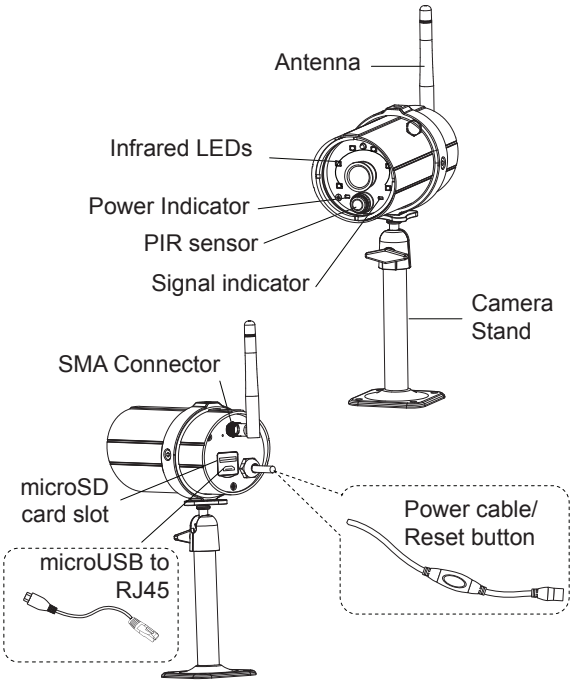
		
Camera	Camera Stand	Antenna
5V/1.5A Power Adapter	Quick Connect Guide	Screws and Anchors
	MicroUSB/Ethernet cable	

If any items are missing or damaged, contact our Customer Care Line immediately at 1-800-658-8068.

Never use damaged products!

Images in this manual may differ slightly from your actual product.

PARTS OF THE CAMERA



NETWORK SETUP AND CAMERA INSTALLATION

OVERVIEW

There are two methods of connecting the AppCam 25HD cameras to your mobile device. One method is wireless and the other method has the camera connected directly to the router using the provided microSD to Ethernet cable.

The add camera procedures themselves are identical. In the setup procedures that follow, the wired connection instructions are noted where applicable.

PREREQUISITES

- Your router must support WEP/WPA/WPA2 security and it must be turned on.
- You must have an available WiFi-enabled mobile device (Android or iOS smartphone/tablet).
- The AppCam 25HD and your mobile device must connect to the same Wi-Fi router for setup.

STEP 1 – SET UP CAMERA AND SMARTPHONE/TABLET

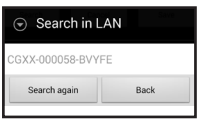
1. Download the Uniden® AppCam™ app from the Apple iTunes store (iOS) or Google Play (Android) onto your device.
2. Connect the antenna to the camera. You can attach the camera stand to the camera as well but it is not necessary. Procedures for mounting the AppCam 25HD stand and attaching the camera are provided later.
3. Wireless Setup - Connect the camera to power After about 45 seconds, the red LED is steady on and the green LED begins to flash (3-flash/pause pattern), indicating that the camera is in Pairing mode.
   Wired Setup - Connect the camera to your router using the microUSB

to Ethernet cable, provided. Connect to power. Go to Step 2 in the next section, Connect Camera and Mobile Device.

STEP 2 – CONNECT CAMERA AND MOBILE DEVICE

1. From your device's Settings, go to *WiFi*. Select the AppCam 25HD to connect your device to it. The camera listing will be HD-XXXXXX where XXXXXX are the last 6 digits on the camera label. Enter the default password, 12345678. Your mobile device is now connected to the camera.

2. Launch the app and tap the *Add New System* icon.
3. The *System Information* screen displays. Name the camera and tap *Search*.



4. The *Search in LAN* results box displays. The camera's DID should display. Tap the DID number.
5. The *System Information* screen displays again. This time, enter the security code (123456); tap *Save*. Tap *YES*, then *OK* at the next prompts.
6. The *Globe* screen displays. Tap the Globe to access Live view.
7. Since this is the first time you connect to Live view, you must change the security code. Once you change the security code, you will not be asked again.
8. The app now displays live video.

STEP 3 – CONNECT CAMERA AND WIFI ROUTER

1. From the Live view, tap Back icon ( ), the System icon ( ), and then the System Setting icon ( ). The *System Information* screen displays.
2. Tap *Advanced*. Enter the Admin password (123456).
3. Scroll to *WiFi* on the Advanced Settings list. Tap *Manage WiFi Network*. Select your router from the drop-down list and enter your router's password. Tap *Connect*.

Your camera will reboot and reconnect to the router. If using the wired set up process, unplug the Ethernet cable from the router and camera during the reboot process. Wait 2 - 3 minutes until the camera's LEDs both return to the steady on state to continue.

4. The camera screen indicates that it is disconnected. Tap the System icon and then the Refresh icon. The camera refreshes and reconnects to the router you chose. The app displays a snapshot of the video image.

   At this point, both the red and green LEDs are steady on.

STEP 4 - SET TIME ZONE/DAYLIGHT SAVINGS TIME

It is important to set the correct time zone and daylight savings time indication on your camera to ensure correct date/time stamp on the video files.

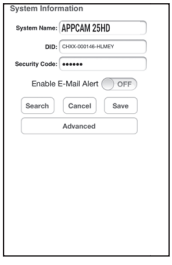
1. Access the *Advanced Settings* list (see Connect Camera and WiFi Router, described previously.
2. From the *Advancd Settings* list, scroll to *Time Zone*.
3. Select your time zone. The most commonly used time zones are:
   - GMT-05:00 - Eastern Standard
   - GMT-06:00 - Central Standard
   - GMT-07:00 - Mountain Standard
   - GMT-08:00 - Pacific Standard
   - GMT-09:00 - Yukon Standard
   - GMT-10:00 - Alaska-Hawaii Standard
4. Set the Daylight Savings Time indicator.
5. Tap *Back*, and exit the *Advanced Settings* list.

STEP 5 - SET UP EMAIL ALERTS (OPTIONAL)

Set up an email account so you can be notified when the motion sensors trigger automatic recording.

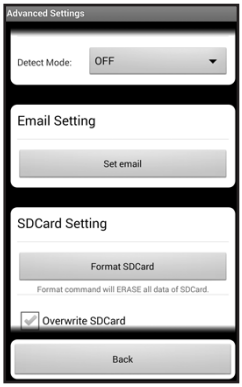
1. In Live view, tap the Back icon ( ), the System icon ( ), and then the System Setting icon ( ).
2. The *System Information* screen displays with the e-mail option as well as the *Advanced* tab.

Android



iOS

3. Tap the **ENABLE EMAIL ALERT** box (Android) or slide the **ENABLE EMAIL ALERT** button to **ON** (iOS) to turn on email notification when the camera begins recording from motion detection.
4. Tap *Advanced Settings* and scroll to *E-Mail Setting*. Enter your e-mail information.



5. Tap *OK* to save your modification.

INSTALL CAMERAS

Consider the following when installing cameras:

- Clear line of sight video transmission distance is best.
  - Walls, especially brick and concrete, shorten the transmission distance.
  - Placement next to windows allows better transmission.
- Avoid having a direct light source in the view of the camera, including street lights, ceiling or floor lamps, spotlights in the driveway, etc.
- The camera is equipped with built-in infrared LEDs so you can use night vision for 24-hour surveillance. The LEDs will automatically activate at night and the picture viewed will turn to black and white. The night viewing range is up to 40 ft. Avoid pointing the camera lens directly at clear glass; the night vision LEDs will cause a blurred image.
- Optimized motion detection range is 6 - 18 feet for the camera. The farther away an object is, the less accurate the motion detection.

- Avoid pointing the camera directly at any bushes, tree branches, or moving objects that might naturally move due to winds. Otherwise, the motion detection feature may record unnecessarily.

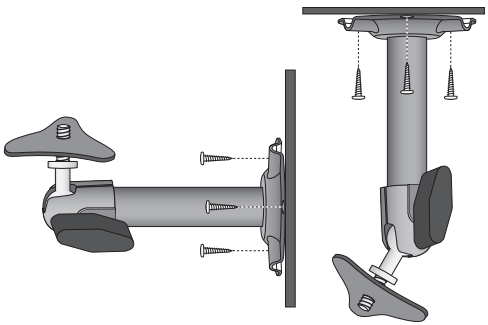
You can mount the AppCam 25HD with the stand on the bottom (on a flat surface such as a table-top), on the side (on a wall), or on the top (on the ceiling or under an eave or overhang).

1. Use your mobile device to test the places where you are considering mounting the camera. Hold the device in that location; if you still have a WiFi signal on your device, the location should be okay.

Attach the camera stand if you have not already done so.

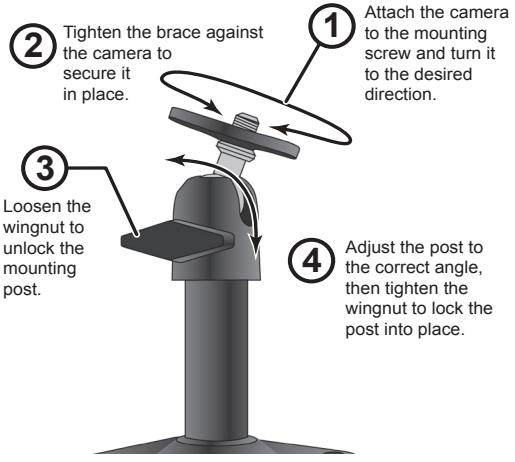
2. Unplug the camera from the power source and install it.
3. After the camera is installed, reconnect power.

Mount the AppCam 25HD Base



1. Hold the base of the camera stand where you want to mount it and mark the location of the screw holes.
2. Use the included screws and anchors to attach the base to the wall or ceiling. You can also screw the base into a flat surface such as a tabletop if needed.
3. Before attaching the camera, tug gently on the stand to make sure it is securely in place.

Attach the AppCam 25HD Camera


2
Tighten the brace against the camera to secure it in place.
1
Attach the camera to the mounting screw and turn it to the desired direction.
3
Loosen the wingnut to unlock the mounting post.
4
Adjust the post to the correct angle, then tighten the wingnut to lock the post into place.

1. For each AppCam 25HD, attach the camera bracket to the mounting screw. You can attach the stand to the top or the bottom of the AppCam 25HD as needed. Tighten it a few turns, then turn the AppCam 25HD to face the direction you want.
2. Tighten the camera brace up against the AppCam 25HD to secure it into place.
3. Unlock the mounting post by turning the wingnut to the left a few turns.
4. Set the mounting post to the correct angle, then tighten the wingnut until the post is locked into place.
5. After the AppCam 25HD camera is installed, reconnect power.

USING THE APP

After you've set up your system, use the Uniden AppCam app to manage your AppCam 25HD operations and to take snapshots and remotely view live or recorded video on your smart phone or tablet device. You can have up to 4 independant AppCam 25HD cameras on the network.

ACCESSING YOUR CAMERAS

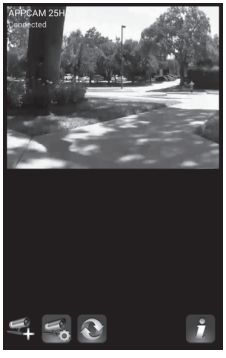
1. Run the Uniden AppCam app.
2. The *Globe* screen displays for each camera set up on the app. Review the names for each camera and tap the globe for the camera you want to view.
3. The *Snapshot* screen displays for that camera. See page 18 for actions available from the *Snapshot* screen. Tap the screen image.
4. Live video displays. See page 24 for actions available from the *Live Video* screen. Tap to return to the *Snapshot* screen.

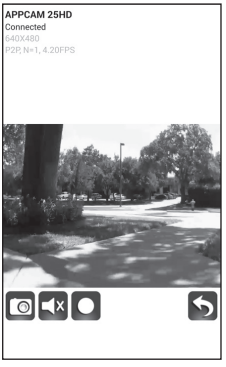
If only one camera is set up on your system, the app displays the Globe screen momentarily and then displays the Snapshot screen for your camera.

SNAPSHOT VS LIVE VIDEO SCREEN

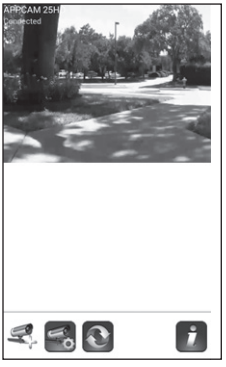
The *Snapshot* and *Live Video* screens control operations. The *Snapshot* screen lets you add more cameras, configure advanced settings, access and manage recorded files, update the camera connection status, and check app version. The *Live Video* screen lets you take snapshots and record live video. You can also control the sound.

Android





iOS



Snapshot Live Snapshot Live

SNAPSHOT SCREEN OVERVIEW

The *Snapshot* screen displays a snapshot image from the camera and four function icons.

Add Another Camera

The icon allows you to add another camera to your network. Follow the same procedures beginning with Step 2 on page 11.

System Settings

The icon allows you to configure the advanced settings, remove the camera connection, and play back the recorded video clips. Tap and the following three icons display in the center of the snapshot image:

Android

iOS

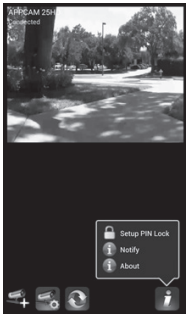
	Accesses *System Information - Advanced* Screen. This screen lets you configure the camera and set notification alerts. See page 21 for details.
	Deletes the camera from the app.
	Event List lets you check and play back recorded events and files. (See page 23 for details.)

Update

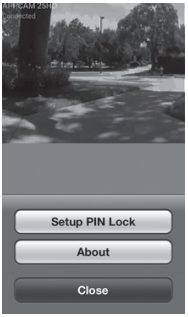
Tap to update the camera's connection status.

Information

Tap to set up and enable PIN lock or to check the app information.



Android



iOS

- The PIN lock is a unique security code you must enter when you start the app.
- APP information displayed includes APP and API version information.
- Android systems can also enable event notification through this button.

  iOS systems enable event notification through the iPhone settings (Settings/Notification/UnidenAppCam/Notification Center).

System Information - Advanced Screen Details

Tap ⚙ to display the *System Information* screen again with a tab for Advanced settings. From this screen (see page 13 for an image of this screen), you can set email alerts and event notifications as well as configure specific camera settings.

Enable Email Alert

Email alerts notify you when something triggers the motion sensors on your cameras. Tap the box (Android) or move the slider (iOS) to turn this feature on.

Enable Event notify

The system generates event notifications when something triggers the motion sensors on your cameras. Tap the box to turn this feature on.

Advanced

Tap the *Advanced* tab to configure various settings in your device, such as the time zone, device password, and video setting. These settings are displayed in a list of fields, each field contained in its own block. Scroll down to find the field you want to set. You can also format the microSD card or check the device information here.

The Advanced field blocks are:

- *Admin Password*: The security code for your advanced settings. The default Admin Password is 123456. Change the default password to one you set yourself.
- *Time Zone*: Turns daylight savings time on and off and sets up the time zone for your system. The most commonly used time zones for this system are:
  - GMT-05:00 - Eastern Standard
  - GMT-06:00 - Central Standard
  - GMT-07:00 - Mountain Standard
  - GMT-08:00 - Pacific Standard
  - GMT-09:00 - Yukon Standard
  - GMT-10:00 - Alaska-Hawaii Standard
- *Device security code*: Change the default password (12345678) to a security code of your choosing for your camera.

- *Video Setting*:
  - Video Quality

Record FPS				
	Better Streaming (VGA)	**Better Image (VGA)**	**HD Normal (720P)**	**HD Better (720P)**
Live View (Video Quality)	VGA 25fps 256kbps	VGA 20fps 768kbps	HD 5fps 1Mbps	HD 10fps 1Mbps
Record (SD Card)	HD 20fps 1.5Mbps	HD 20fps 1.5Mbps	HD 5fps 1Mbps	HD 10fps 1Mbps

  - Screen Orientation
  - Environment Mode
  - Low Light Enhancement
- *WiFi Setting*: Set up your WiFi connection.
- *Sensitivity Setting*: Set the motion detection sensitivity level.
- *Email Setting*: Allows you to configure the email environment, email account, and password. You can also set up encryption for data transmission.
- *SDCard Setting*: Lets you reformat the SD card and enable/disable the ability to overwrite the microSD card as space is needed.
- Profile *Setting*: Allows you to save the profile of one camera to apply it to future cameras. You can then customize additional camera using this profile as a base.
- *Device Information*: Check the model, camera's firmware version, and storage status.

Unless stated otherwise, the screen returns to the main list of Advanced setting fields after you enter the requested information in a specific field.

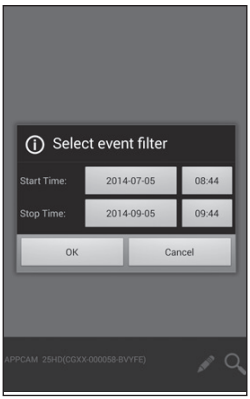
Delete Camera Connection

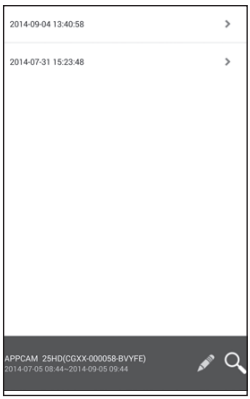
Tap the Delete icon ( ) to remove a camera from your system. Tap **NO** to keep the camera connection or **YES** to delete it. A confirmation screen displays.

Event List Details

Android

1. Tap the Event List icon ( ) to select a date range of recorded files to display. View a list of recorded video files.
2. Tap the start date and end dates to set the date range. A list of files displays.





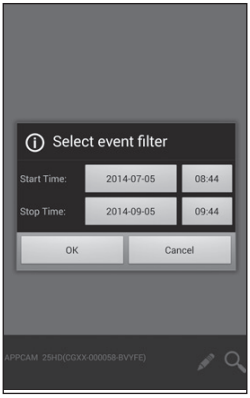
When you set a filter, be sure the Time Zone feature is set accurately in the Advanced fields to reflect the current time zone for the camera, not the time zone where you are. See page 21for details.

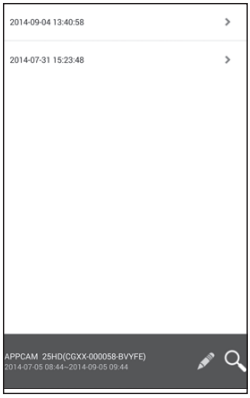
3. Tap the file you want to view and it begins to play.

- Tap the pencil icon to select recorded files to delete. Tap the box on the right side of the entry to select it for deletion.
- Tap on **SEARCH** (magnifying glass icon) to set up a date range filter. You can use this to change date ranges.

iOS

1. Tap the Event List icon ( ) and then tap the Search icon to set a date range of recorded files to display.
2. Tap the start date and end dates to set the date range. A list of files displays.



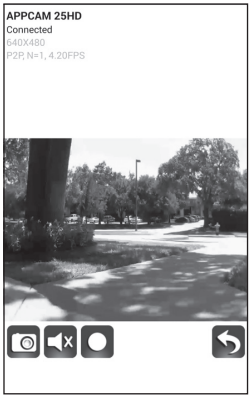


3. Tap the file you want to view and it begins to play.
   - Tap **DELETE ALL** to delete all of the recorded files
   - Tap **DELETE ONE** to delete a single file.
   - You can also set a filter to display all files recorded within the past hour, past 6 hours, etc. Tap **SEARCH** to display the filter selections.

   When you set a filter, be sure the Time Zone feature is set accurately in the Advanced fields to reflect the current time zone for the camera, not the time zone where you are. See page 21 for details.

LIVE VIDEO SCREEN OVERVIEW

The *Live Video* screen lets you take snapshots, record video, and turn the sound from the live video on and off.



Android

iOS

	Tap this icon to take a snapshot of the current image. Snapshots are saved in your mobile device.
	Turn the audio on and off when you're viewing live video.
	Tap this icon to begin recording live video. ***Once recording begins, the app continues recording for 1 minute. You cannot stop recording during this period.*** When the system starts recording, the video clips will be saved into your camera's memory card. Please make sure the microSD card has been correctly inserted.
	Return to the *Snapshot* screen.

TURN OFF THE APP

1. Tap your device's **MENU** button. The **EXIT** button displays.
2. Tap **EXIT**. The app closes and returns to the device's main screen.

For the iPhone, press the* HOME *button.

COMMON OPERATIONS

To Do This ...	Do This:
Start Recording	From the *Live Video* screen, tap . The camera will record for ***1 minute***.
View Live Video	Tap the image on the *Snapshot* screen.
View Recorded Files	1. From the *Snapshot* screen, tap . 2. Tap from the three icons displayed on the snapshot image. 3. Select a time range of videos to view. 4. Tap your selection from the list of recorded files that now displays. The recorded video begins playing.
Delete Recorded Files	1. From the *Snapshot* screen, tap . 2. Tap from the three icons displayed on the snapshot image. A list of recorded videos displays. 3. Android - Tap the pencil icon at the bottom of your list of recorded files. You can now tap the X to select a file to delete. iOS - Tap **DELETE ALL** or **DELETE ONE** from the icons along the bottom of the event list.
Take a Snapshot	1. From the *Live Video* screen, tap . 2. The snapshot is saved on your mobile device.
View Snapshots	Your snapshots are named with a time stamp and saved into the Photo gallery/Snapshot folder on your mobile device.

MAINTAINING YOUR SYSTEM

TAKING CARE OF YOUR CAMERA

When dust and grime builds up on the camera lens and glass, it affects night vision capability. The infrared light reflects off of the dust and grime, limiting the camera's "vision." Use a microfiber cloth to regularly clean the cameras or when night vision video is cloudy or unclear.

MANAGING RECORDED FILES

Over time, your microSD card will fill up with recorded files. If there are files you need to keep, transfer them to your computer for storage and remote viewing. Otherwise, reformat your microSD card every 4 to 6 weeks (see page 26).

Copying Files from the microSD Card to Your Computer

1. Remove the microSD card from the camera.
2. Insert it into your computer's SD card slot. Use an adapter if necessary.
3. Navigate to the microSD card and locate your files.
4. Copy them to the computer. These files can now be deleted from the microSD card or the microSD card can be formatted (see page 26).

TROUBLESHOOTING

Before going through these troubleshooting procedures, verify that you have the most current version of this manual. Go to www.uniden.com and select *Owner's Manuals* from the *Support* tab's drag-down list. Navigate to your model's manual and open it. Check the issue and date on the front cover.

HOW TO IMPROVE THE WIRELESS SIGNAL QUALITY

If possible, remove obstacles in between camera and receiver that might reflect the signal. These could include furniture, cabinets, and walls. If the wireless signal is not improved, relocate the camera closer to the receiver.

If...	Try this...
The app cannot find the camera	• Make sure your network supports DHCP protocol. • Make sure that the DHCP option is turned on. • Make sure the camera and your mobile device connect to the same WiFi router. • Make sure the WiFi router is activated. • Make sure the camera is properly powered on. • Use the "ADD CAMERA" function to manually add the camera.
The camera does not find the router to connect to	• Make sure you selected the correct router in the *Manage WiFi Network* box. • Make sure you entered the correct password for the router you selected in the *Manage WiFi Network* box.

If...	Try this...
My smartphone or wireless device cannot find the camera during setup.	• Make sure the router is turned on. • Refresh the connection. • Make sure your smartphone is connected to the same network as the camera. • Make sure the camera's green LED is blinking in a 3-flash/pause pattern. If it isn't, reset the camera by pressing and holding the Reset button on the cord until the LEDs begin to flash.
No image appears	• Make sure the power adaptor is not damaged or defective and is plugged into an electrical outlet with power. • Relocate the camera to obtain the best reception of wireless signals. • Make sure the camera is properly configured in the app.
Poor image quality	Clean the camera lens using a lens cleaning cloth. Spots or dust on the lens can also cause image quality problems.
Motion detection is not working	• Make sure the sensitivity setting is not turned OFF. (Set sensitivity through the Advanced tab.) • Adjust the sensitivity of the motion sensor. (Set sensitivity through the Advanced tab.) • In motion detection mode, a moving object within the camera viewing angle is necessary to trigger the motion sensor for recording. • Make sure the system date and time have been correctly set.

If...	Try this...
Bright white spots appear at nighttime	The camera's infrared LEDs produce invisible light that reflects off surfaces such as glass. Install the camera on the other side of windows or place the lens flush against the surface to improve the night vision. ***Please check the environment rating (Ingress) of the camera(s) before installing outdoors.***
Memory card error	Make sure the memory card is correctly inserted and formatted. ***Please backup the data before formatting. This Format function will erase all data on the memory card.***
Wrong date and time are shown	• Make sure you've selected the correct time zone. Unexpected date and time can result in an incorrect recording schedule. (See page 21) • Confirm the system date/time of the mobile device to ensure correct operation.
Router signal strength is weak	• Change router/camera relative position. • Use the Ethernet cable to physically connect the AppCam 25HD camera to your router. • Use a Wi-Fi repeater/extender to maximize the service range of your Wi-Fi router. • Switch your router to 11b/11g mode in order to improve router service range.
Limited internet bandwidth	• Avoid more than two users accessing the AppCam 25HD at a time.

SPECIFICATIONS

General	
Power	100~240V switching power supply DC 5V/1.5A
Power Consumption	750mA max
Camera Body Dimension	96mm x 48mm diam.
Weight (Main Body)	7.3 oz (210g)
Operating Temperature	14° ~ 122°F (-10° ~ 50°C)
Network	
Wireless Technology	IEEE 802.11 b/g/n
Network Connection	Ethernet (10/100 Base-T/Base -TX); WiFi
Network Protocols	TCP/IP, UDP, SMTP, NTP, DHCP, ARP
Simultaneous Views	3 Concurrent sessions
Security	WPA /WPA2/WPA2-PSK (TKIP, 128 bit AES)
Cameras	
Image Sensor	Mega pixel CMOS
Antenna	3dBi Dipole
Housing	Weather resistant metal
Environmental Rating (Ingress)	IP66
Camera Environment	Indoor (50Hz), Indoor (60Hz), Outdoor
Local Storage	microSD card (not included)
Viewing Angle	H: 50° V: 30°
Min. Illumination	1~8 lux
Low-light resolution	6 IR LEDs with IR switcher
Low-light visibility	40 feet

Min. Upload Bandwidth Requirements	768 kbps per VGA resolution (per camera)
Audio/Video	
Image Compression	H.264
Image Resolution	HD 1280x720
Recording Frame Rate	720P@20FPS
Supported Mobile Internet Device	
Android Requirement	Android 4.1x or above
iOS Requirement	iPhone 4s, iPad Mini, iPad 2with iOS 6.0 or above
Hardware Requirement	• 1.5GHz dual core or above • 1GB or above internal memory

MICROSD CARD APPROXIMATE RECORDING TIME

- 4GB = 250 minutes
- 8GB = 5000 minutes
- 16GB = 1000 minutes
- 32GB = 2000 minutes
- **Recycling and Disposal Information**
- Do not dispose of electronic devices or any of their components (especially batteries and LCD displays) in your municipal trash collection.
- Consult your local waste management authority or a recycling organization like **Earth911.com** to find an electronics recycling facility in your area.

FCC COMPLIANCE

Part 15 Compliance Statement

This device complies with Part 15 of the FCC Rules. Operation is subjected to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with limits for a Class B digital device, pursuant to Part 15 of the FCC rules and ETSI (EN) 300328. These limits are designed to provide reasonable protection against harmful interference in residential installations. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television equipment reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Move the equipment away from the monitor.
- Plug the equipment into an outlet on a circuit different from that to which the monitor is connected.
- Consult the dealer or an experienced radio/television technician for additional suggestions.

CAUTION! Any changes or modifications to this equipment not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

RF Exposure Information

The antenna used for this transmitter must be installed to provide a separation distance of at least 20 cm (7.9") from all persons and must not be collocated or operating in conjunction with any other antenna or transmitter.

IC COMPLIANCE INFORMATION

Radio Equipment Notice

The term "IC:" before the radio certification number only signifies that Industry Canada technical specifications were met. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. "Privacy of communications may not be ensured when using this device".

CE COMPLIANCE INFORMATION

Products with CE Marking comply with EMC Directive (2004/108/EC); Low Voltage Directive (73/23/EEC); R&TTE(1999/5/EC) issued by the Commission of the European Community. Compliance with these directives implies conformity to the following European Norms:

- EMC: EN 301 489
- LVD: EN 60950
- Radio: EN 300 328

ONE-YEAR LIMITED WARRANTY

Important: Keep your sales receipt for this equipment. Evidence of original purchase is required for warranty service.

WARRANTOR: Uniden America Corporation ("Uniden") ELEMENTS OF WARRANTY: Uniden warrants, for one year, to the original retail owner, this Uniden Product to be free from defects in materials & craftsmanship with only the limitations or exclusions set out below.

WARRANTY DURATION: This warranty to the original user shall terminate & be of no further effect 12 months after the date of original retail sale. The warranty is invalid if the Product is (A) damaged or not maintained as reasonable or necessary, (B) modified, altered, or used as part of any conversion kits, subassemblies, or any configurations not sold by Uniden, (C) improperly installed, (D) serviced or repaired by someone other than an authorized Uniden service center for a defect or malfunction covered by this warranty, (E) used in any conjunction with equipment or parts or as part of any system not manufactured by Uniden, or (F) installed or programmed by anyone other than as detailed by the owner's manual for this product.

STATEMENT OF REMEDY: In the event that the product does not conform to this warranty at any time while this warranty is in effect, warrantor will either, at its option, repair or replace the defective unit & return it to you without charge for parts, service, or any other cost (except shipping & handling) incurred by warrantor or its representatives in connection with the performance of this warranty. Warrantor, at its option, may replace the unit with a new or refurbished unit.

THE LIMITED WARRANTY SET FORTH ABOVE IS THE SOLE & ENTIRE WARRANTY PERTAINING TO THE PRODUCT & IS IN LIEU OF & EXCLUDES ALL OTHER WARRANTIES OF ANY NATURE WHATSOEVER, WHETHER EXPRESS, IMPLIED OR ARISING BY OPERATION OF LAW, INCLUDING, BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THIS WARRANTY DOES NOT COVER OR PROVIDE FOR THE REIMBURSEMENT OR PAYMENT OF INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states do not allow this exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to you.

LEGAL REMEDIES: This warranty gives you specific legal rights, & you may also have other rights which vary from state to state. This warranty is void outside the United States of America & Canada.

PROCEDURE FOR OBTAINING PERFORMANCE OF WARRANTY: If, after following the instructions in the owner's manual you are certain that the Product is defective, pack the Product carefully (preferably in its original packaging). The Product should include all parts & accessories originally packaged with the Product. Include evidence of

original purchase & a note describing the defect that has caused you to return it. The Product should be shipped freight prepaid, by traceable means, to warrantor at:

Uniden America Service
C/O Saddle Creek
743 Henrietta Creek Rd., Suite 100
Roanoke, TX 76262

(800) 658-8068, 8 a.m. to 4:30 p.m., Central, Monday through Friday

Uniden®

© 2014 Uniden America Corporation
All rights reserved